

ABSTRACT

5 A method for synchronizing a measurement in a communication system. Recent
developments in communication systems have resulted in combining the traffic
historically carried separately by telephone and data networks. The service provided by
such systems is referred to as Voice over Packet (VoP) with the more popular version
using the Internet Protocol (IP) commonly referred to as Voice over IP (VoIP). VoP
technologies have made maintaining voice quality at high levels more complex by
compressing the voice signal and transmitting it in discrete packets. With voice traffic
10 there is the need for timely packet delivery, often in networks that were not originally
designed for these conditions. Digitizing analog voice signals often affects voice clarity.
Objective tests for voice quality are available but are difficult to synchronize between
stations. In methods disclosed pseudo-random analogue signals which emulate white
noise are created and used as synchronization signals which enable this synchronization
15 more precisely than previous methods. These signals are relatively unaffected by the
codecs commonly used for voice and data compression.